

**Fig. 1** Prior Art

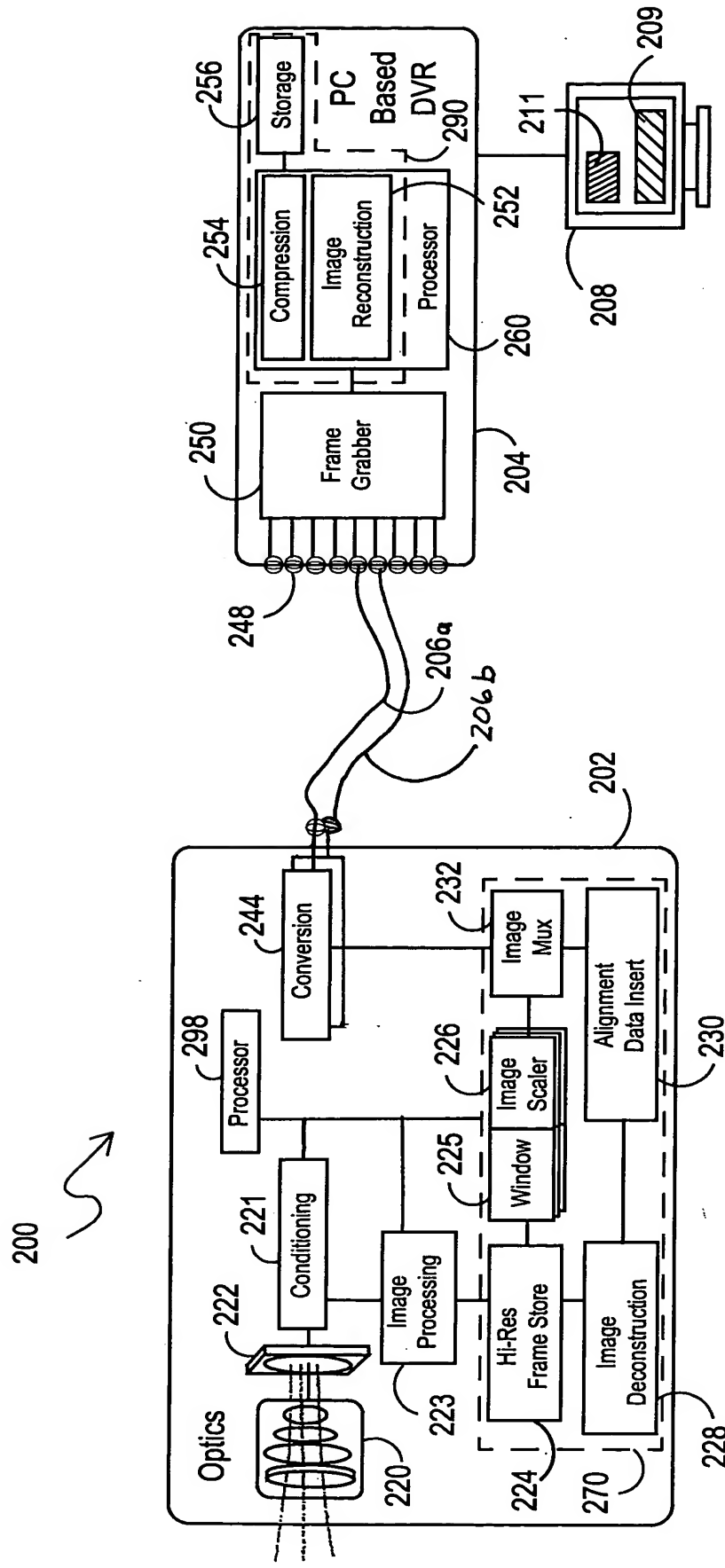


Fig. 2

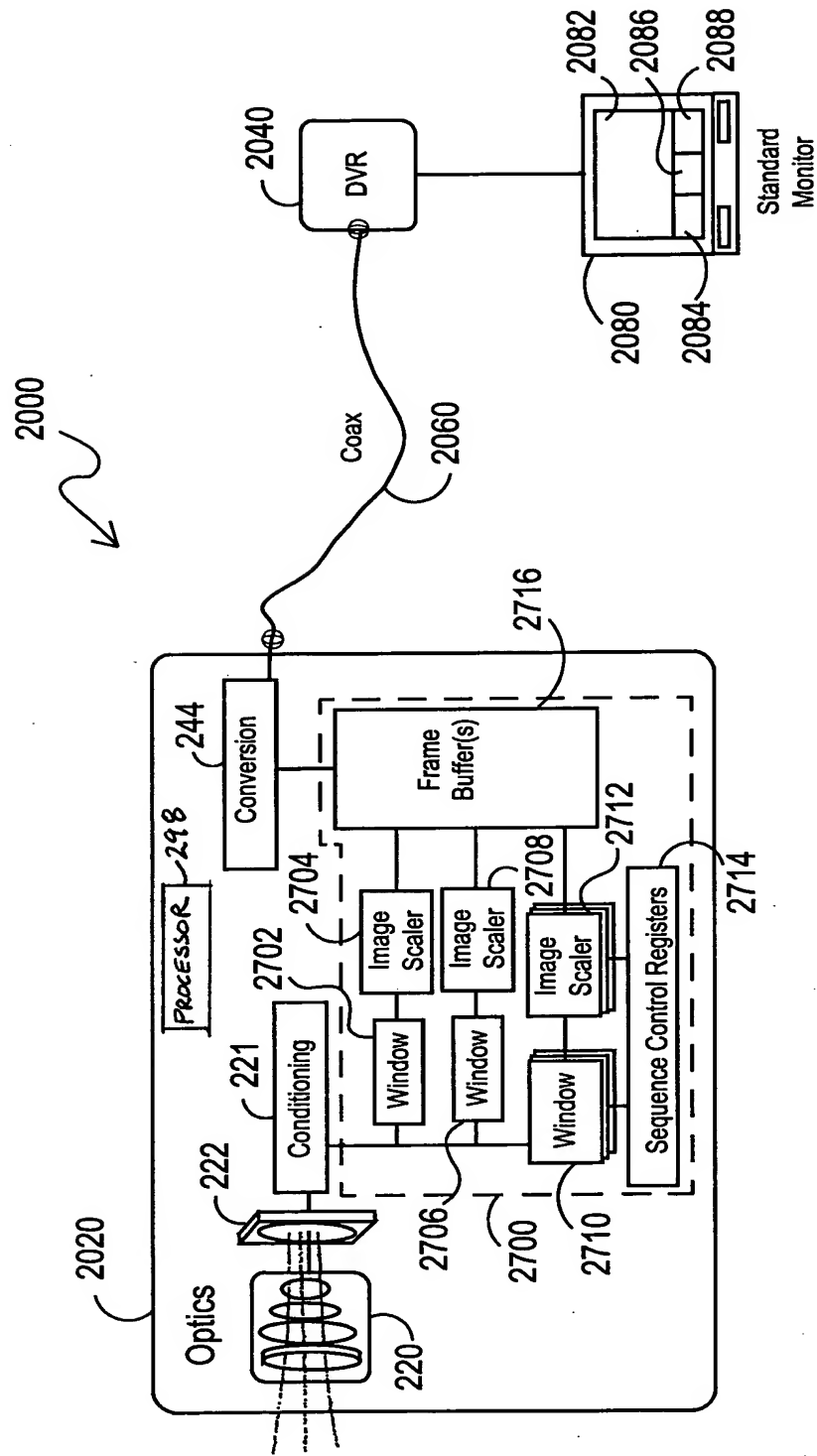


Fig. 3A

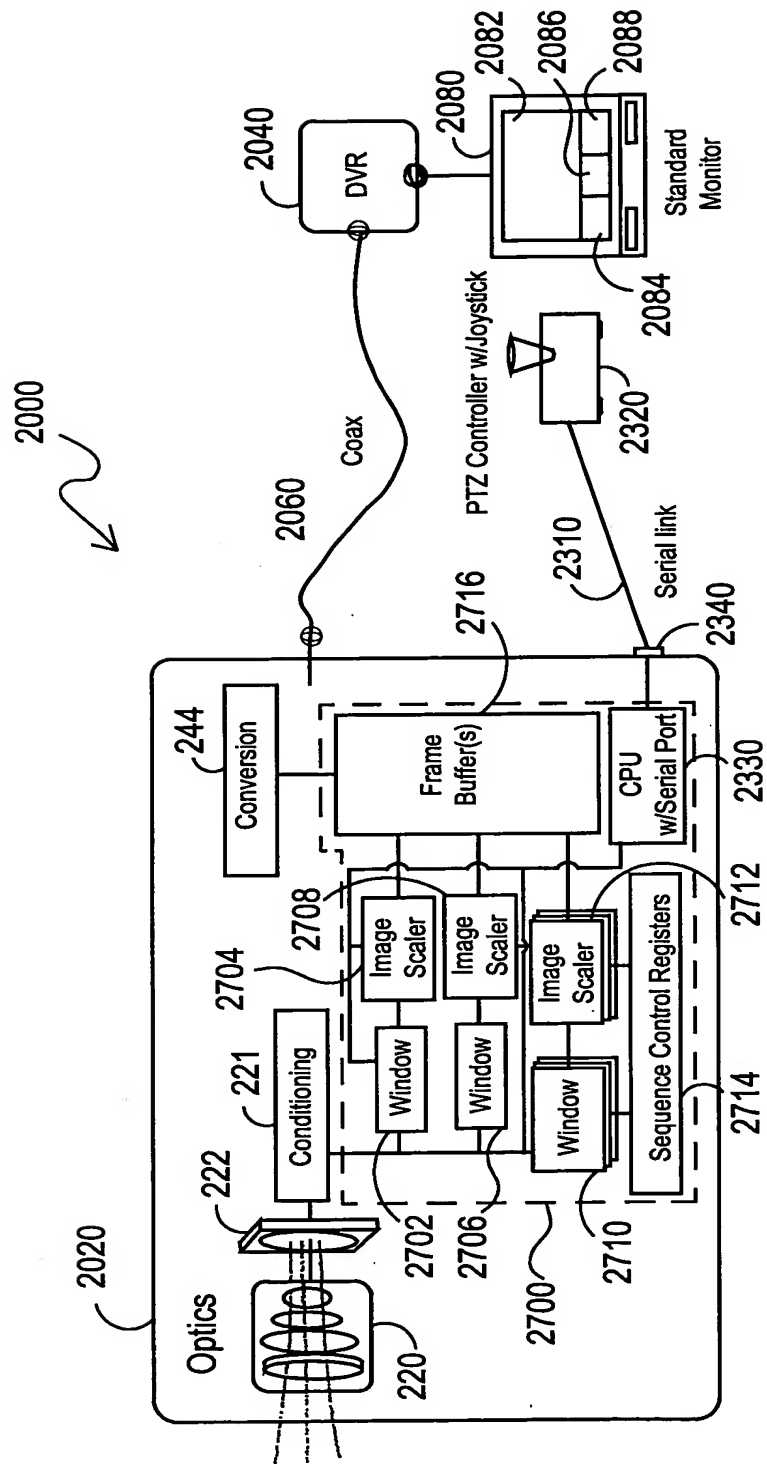


Fig. 3B

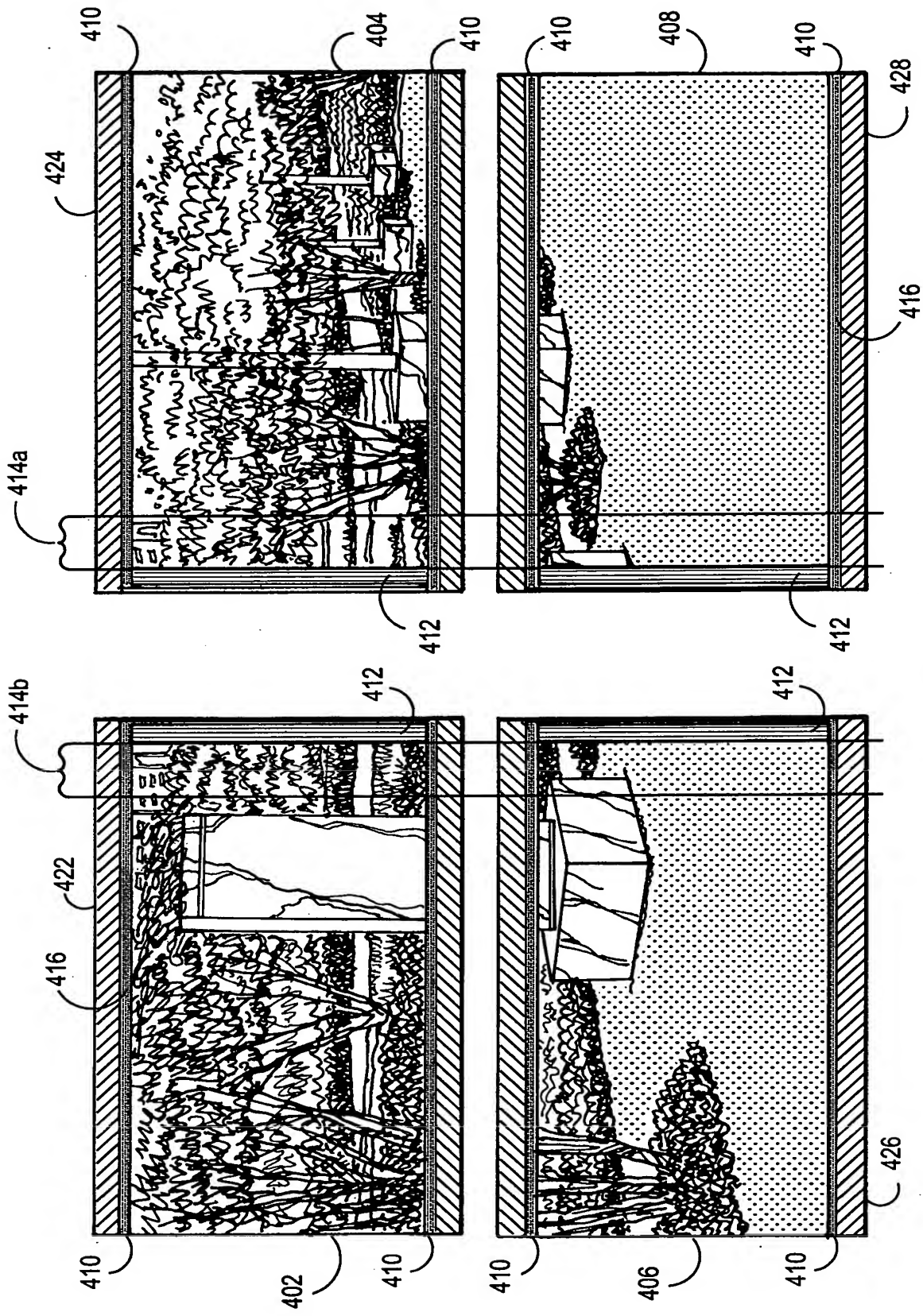


FIG. 4A

Use of the alignment pattern

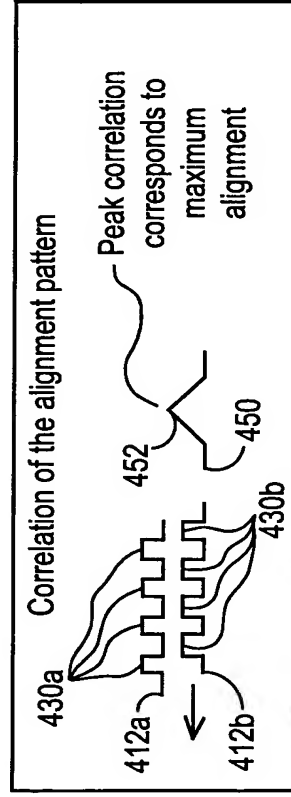


FIG. 4B

Blending of the overlap area

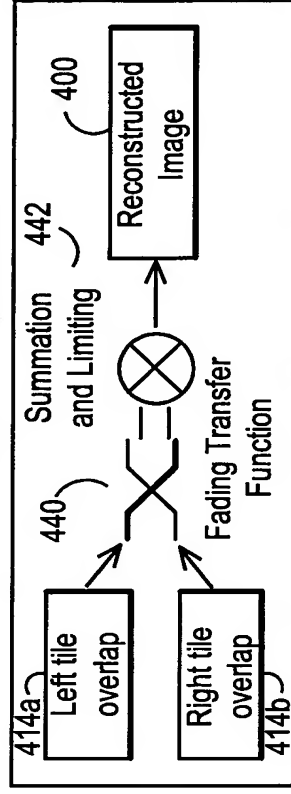


FIG. 4C

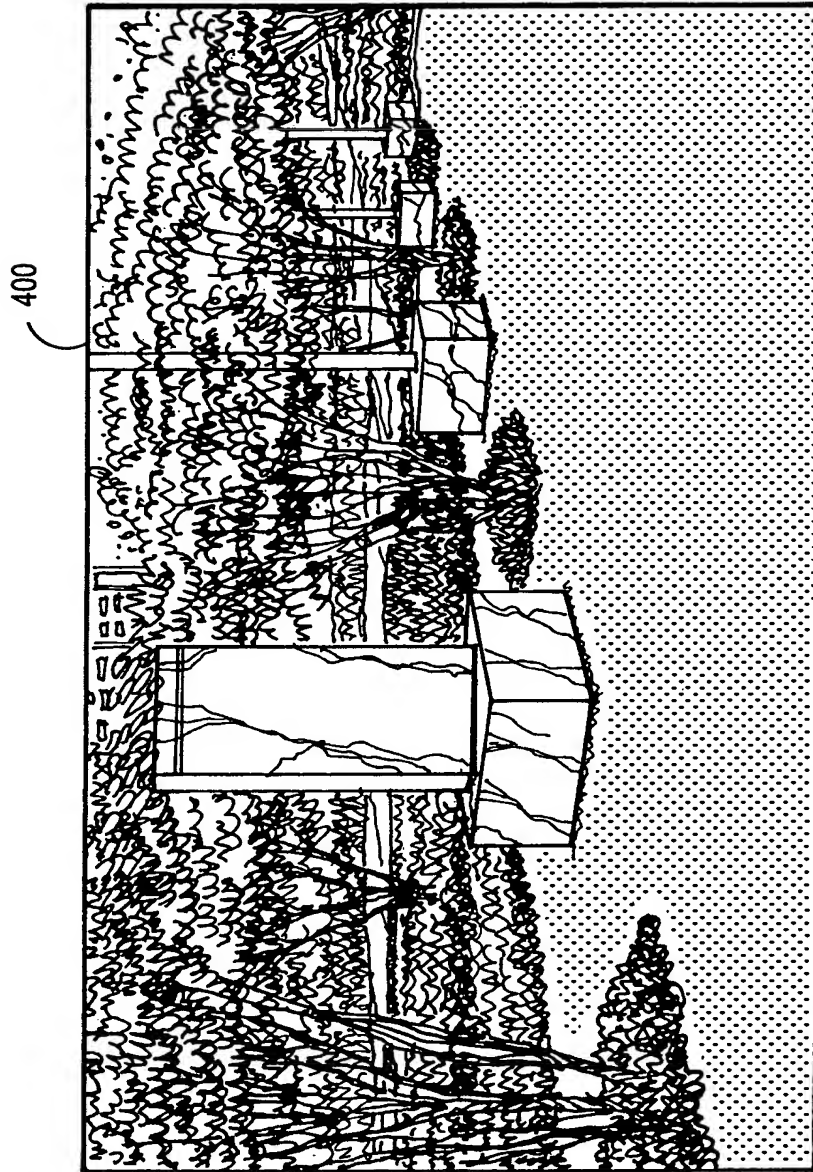


FIG. 4D - Reconstructed Image

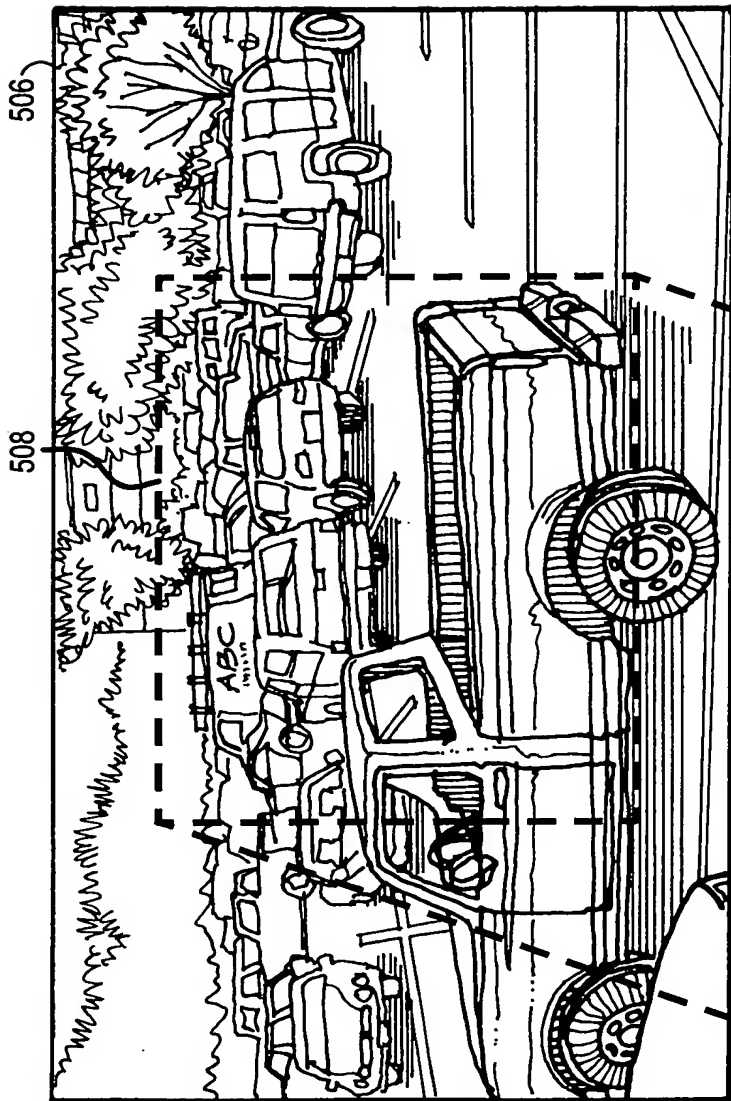


FIG. 5A

Example of extraction of a  
640x480 area out of the  
1280x720 sensor array

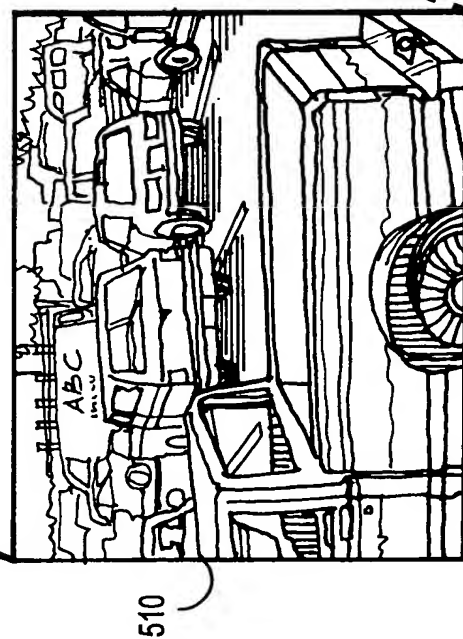


FIG. 5B



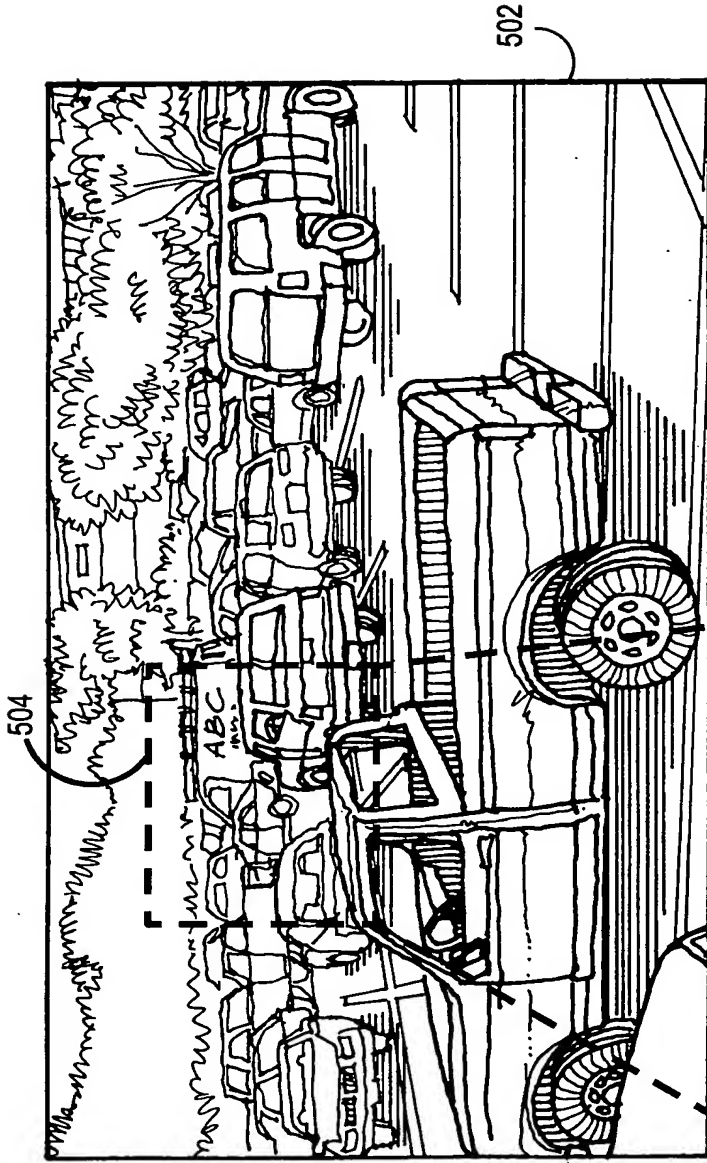


FIG. 5C

Example of extraction of a 320x240  
area out of the 1280x720 sensor  
array and scaling the 320x240  
section out to 640x480

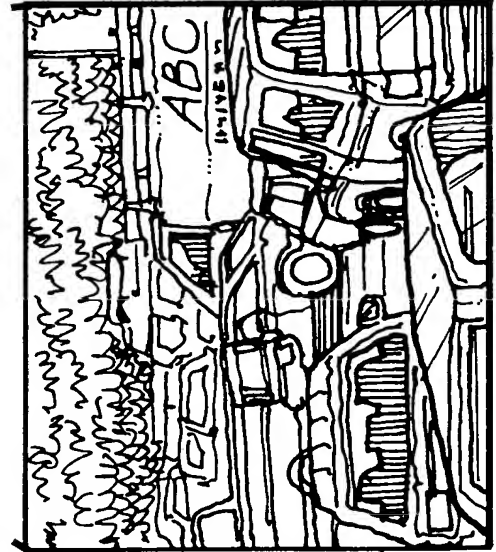


FIG. 5D



FIG. 6A

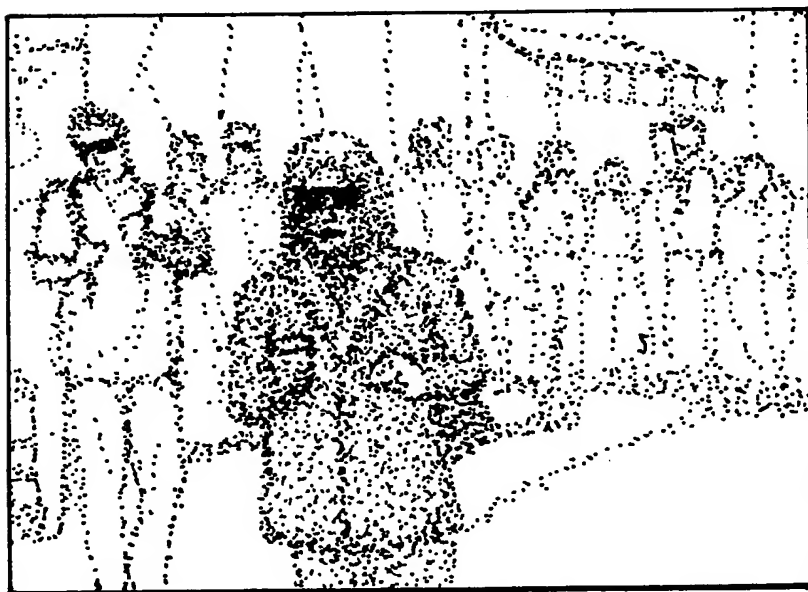


FIG. 6B



FIG. 6C

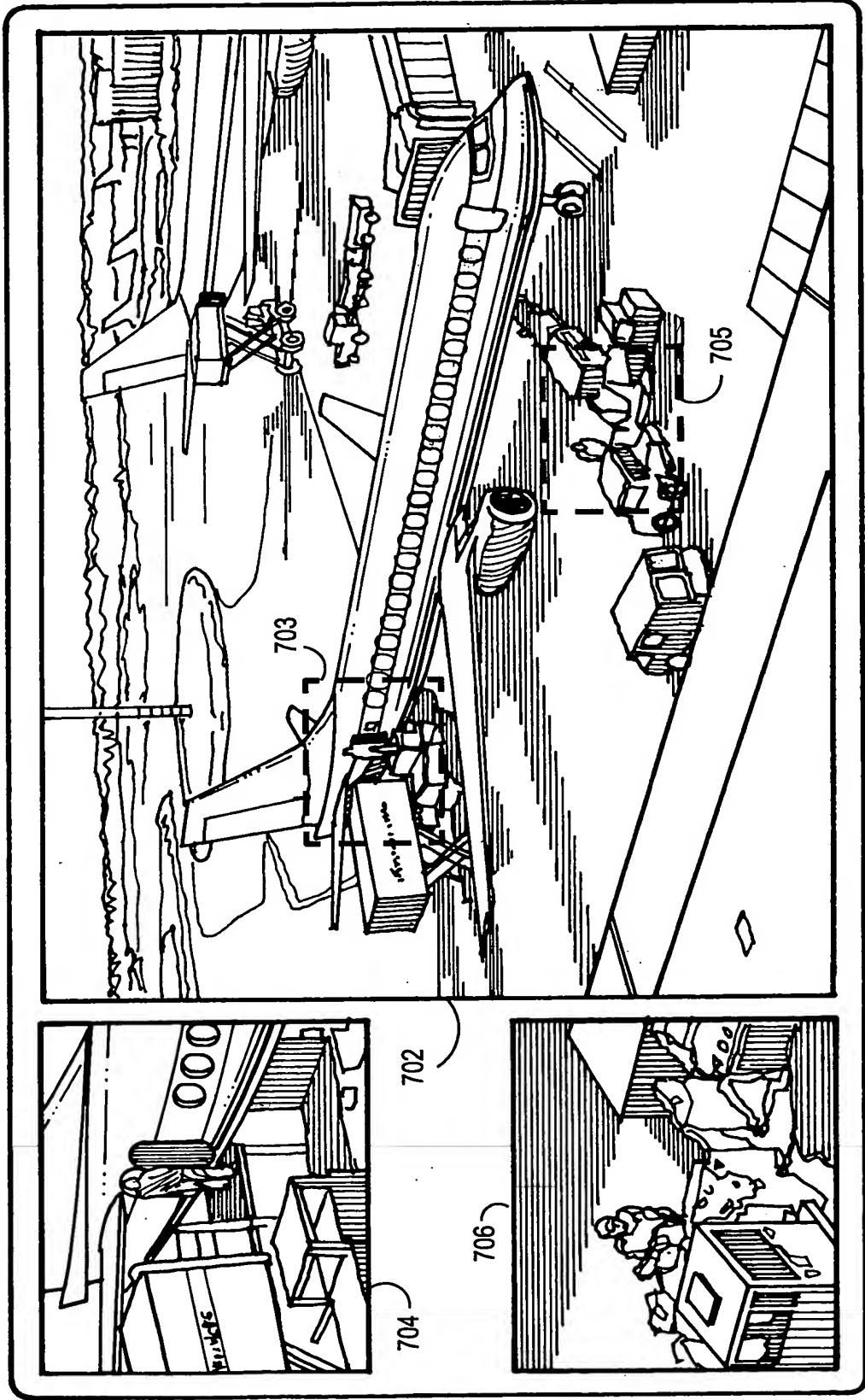


FIG. 7

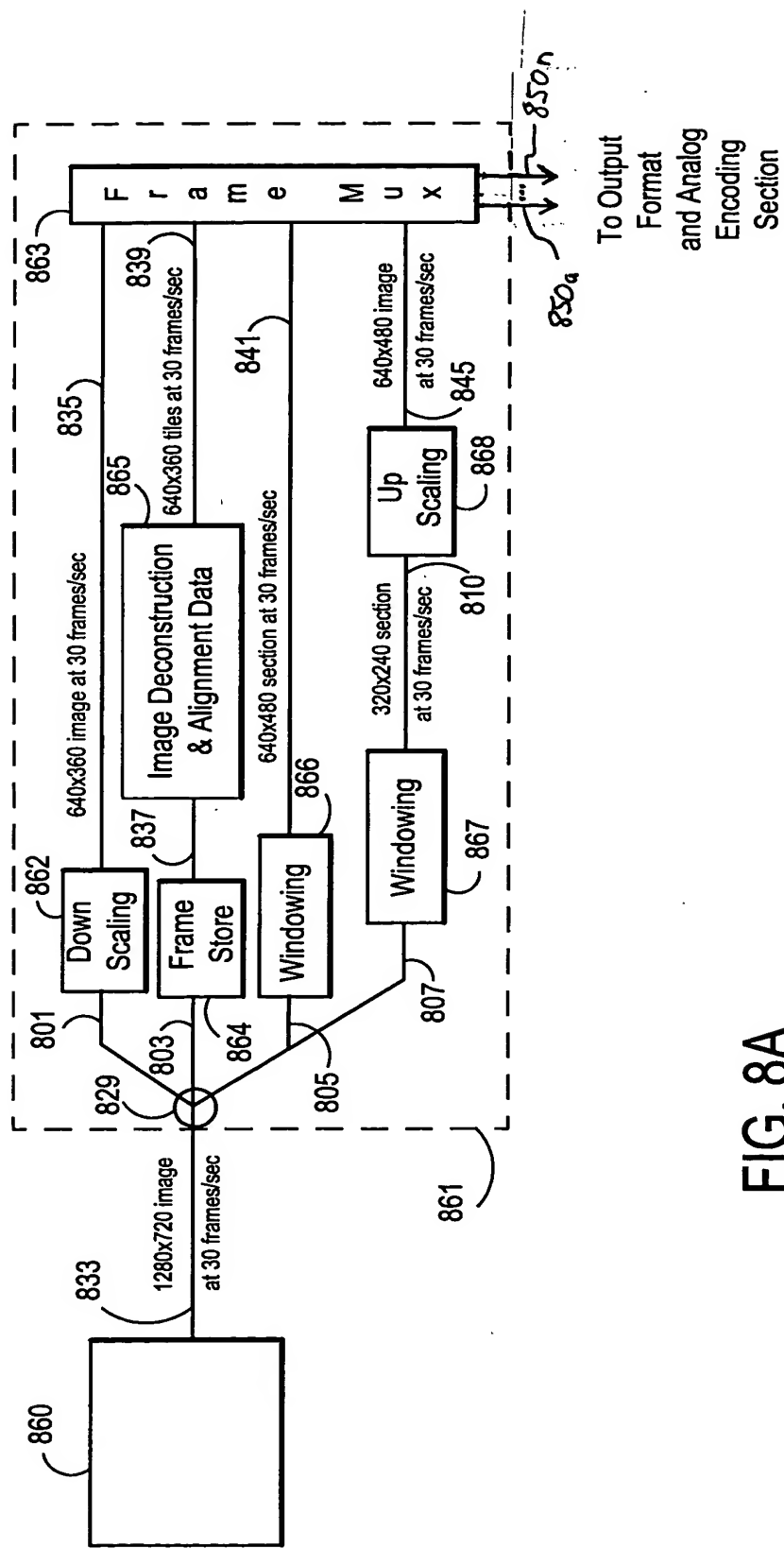


FIG. 8A

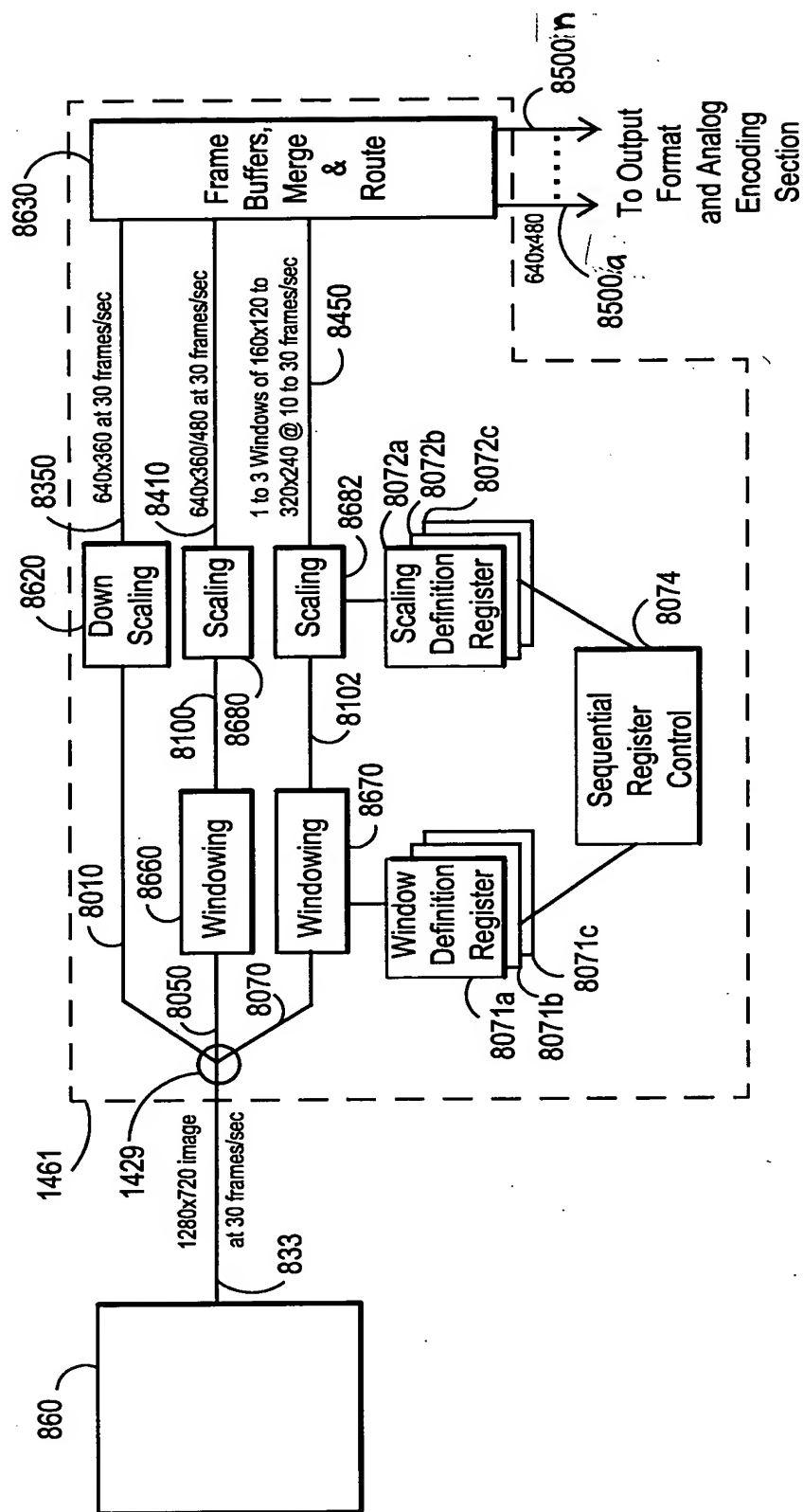
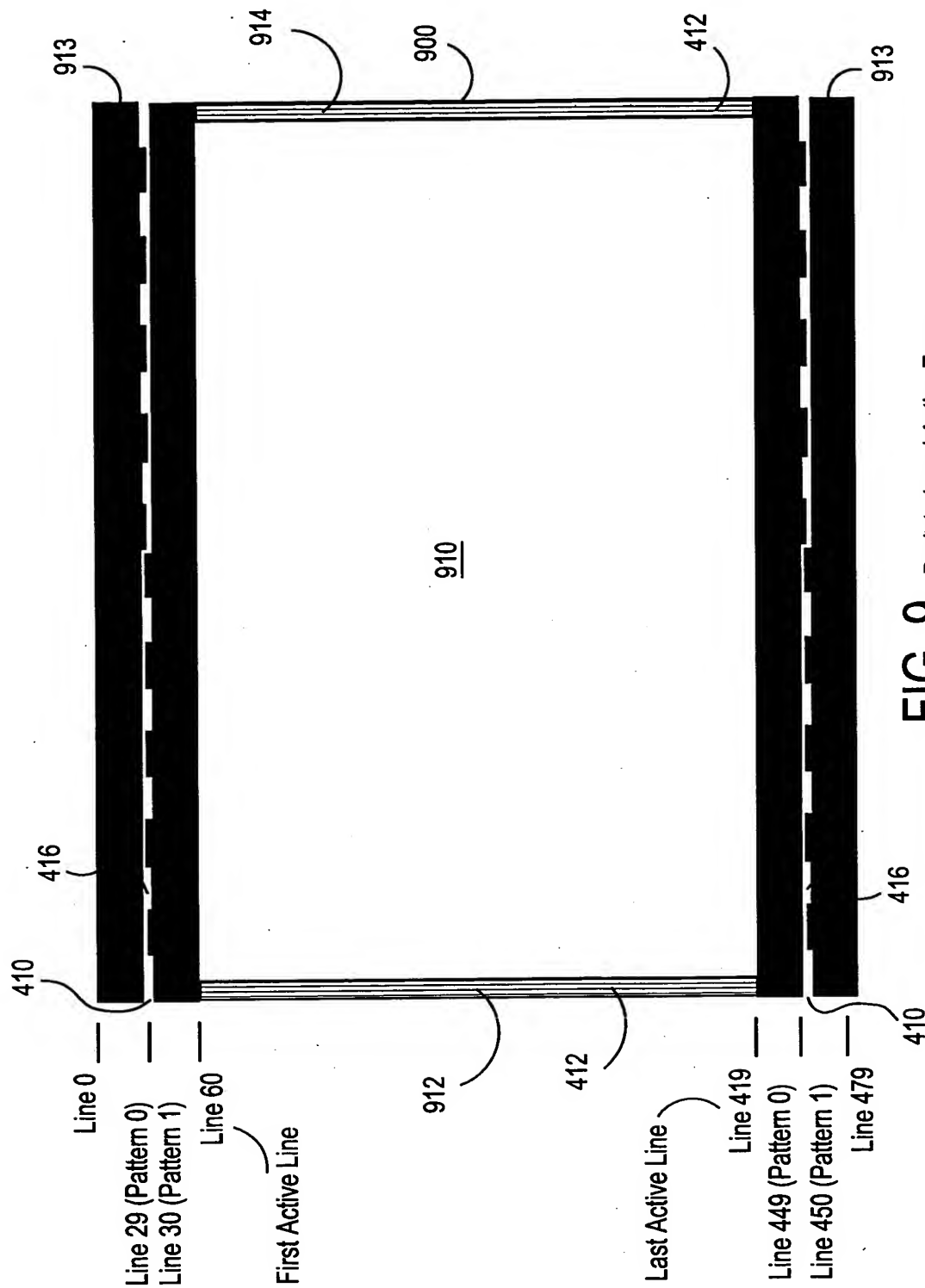
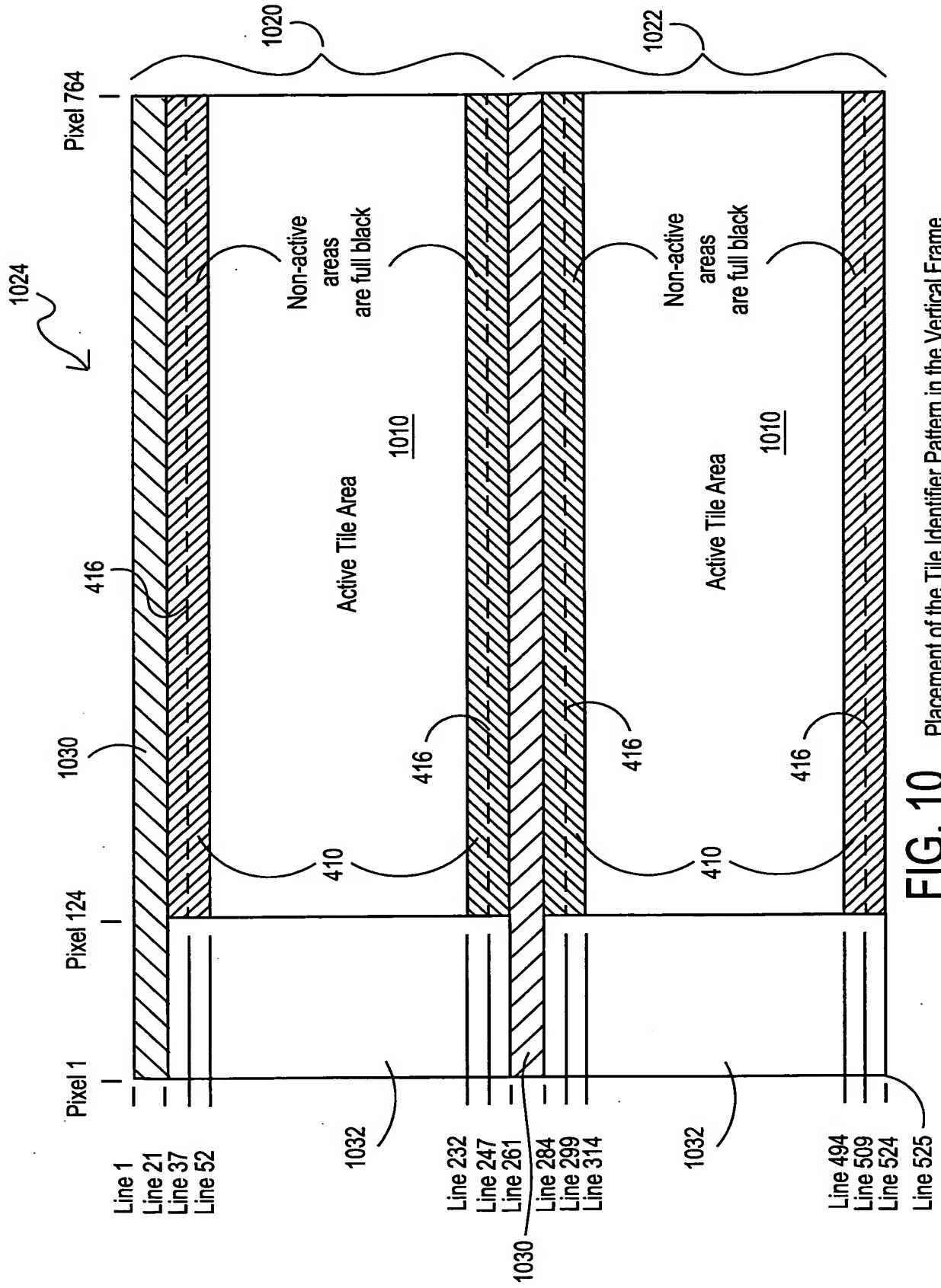


FIG. 8B



**FIG. 9** De-Interlaced Active Frame



**FIG. 10** Placement of the Tile Identifier Pattern in the Vertical Frame



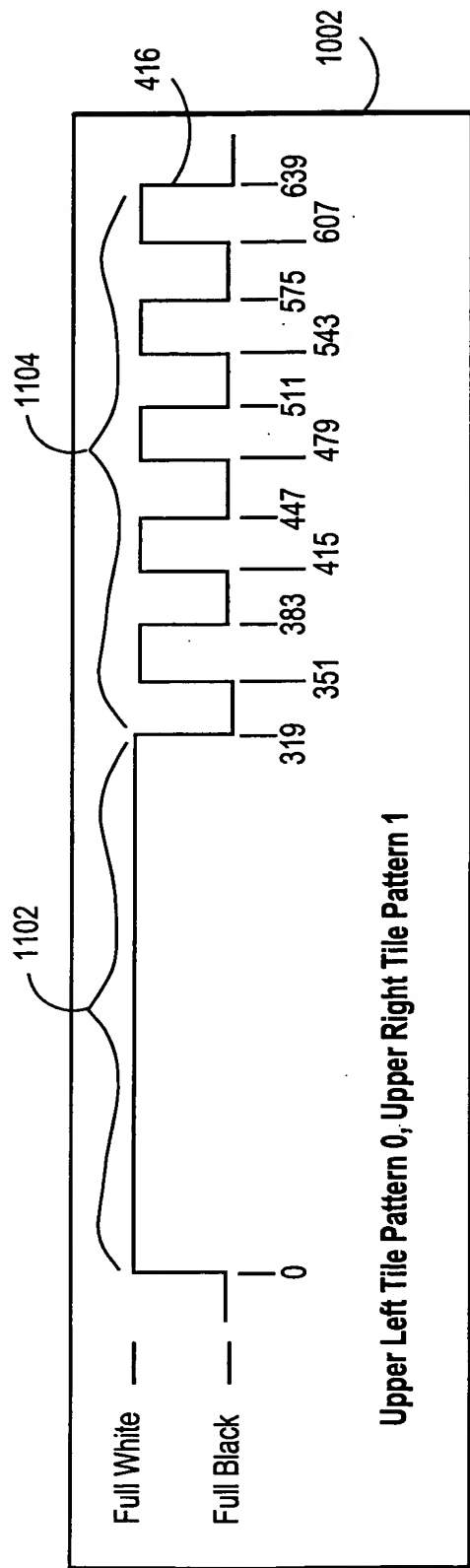


FIG. 11A

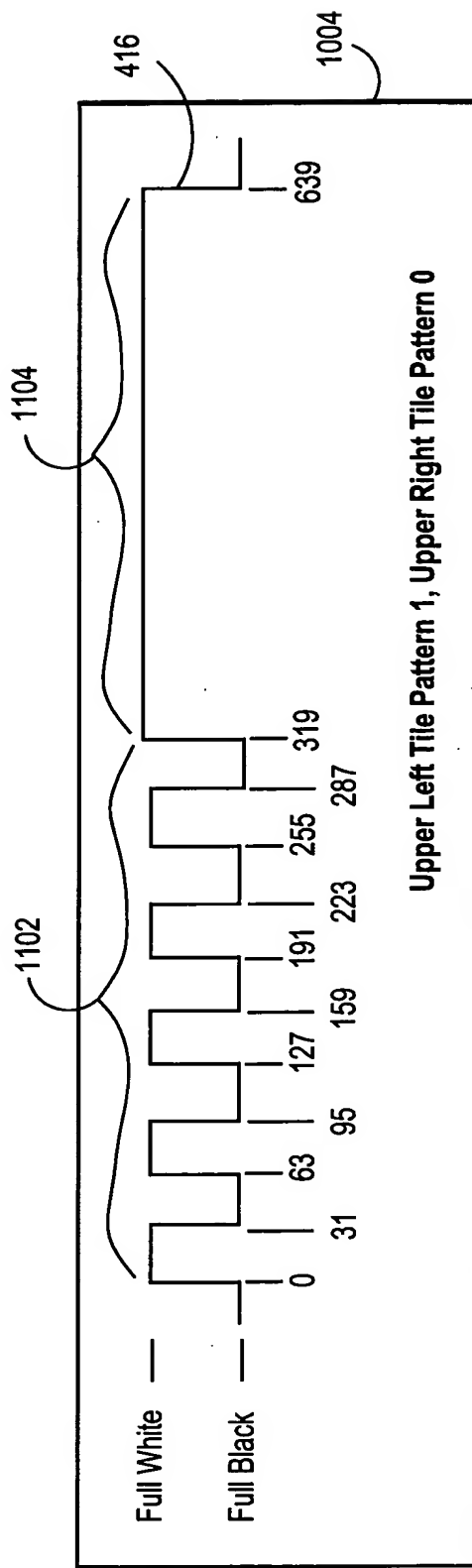


FIG. 11B

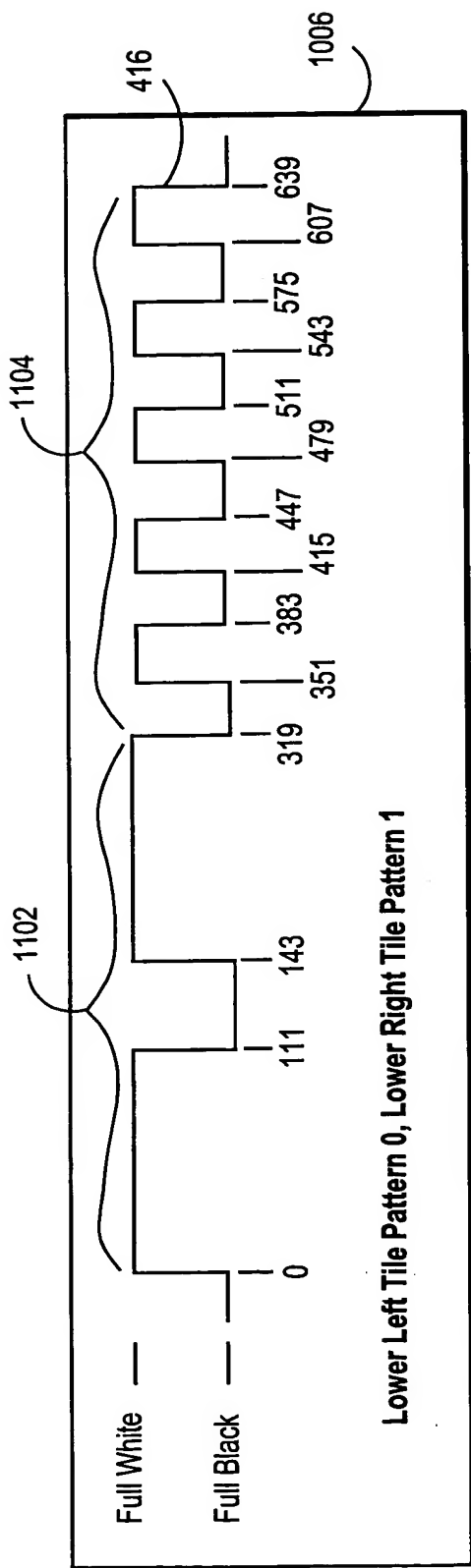


FIG. 11C

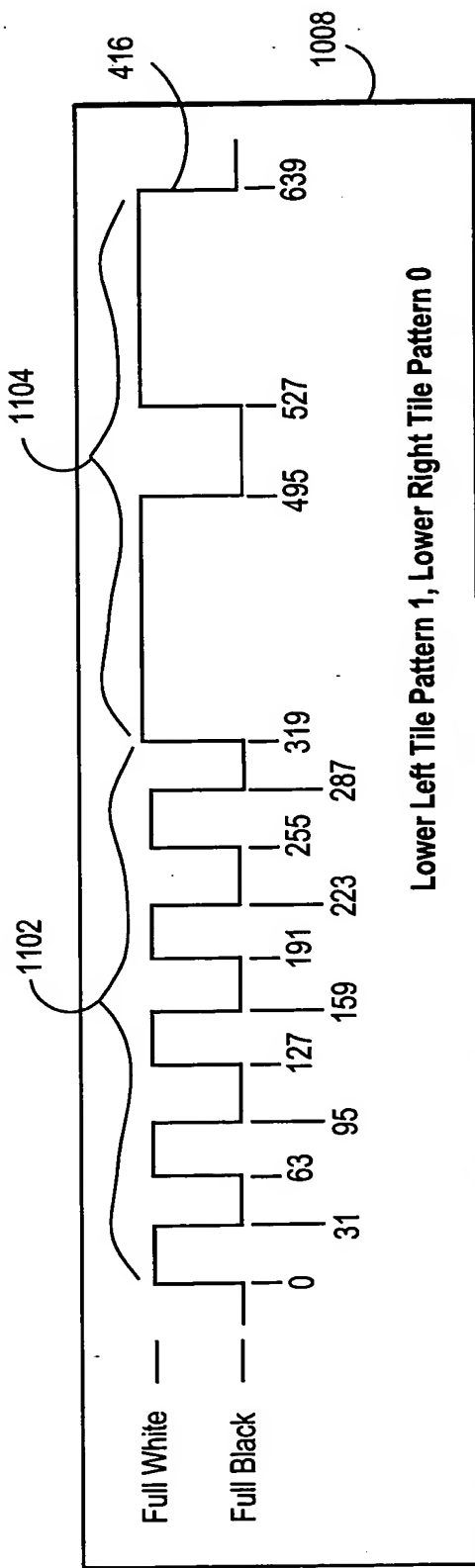


FIG. 11D

1200

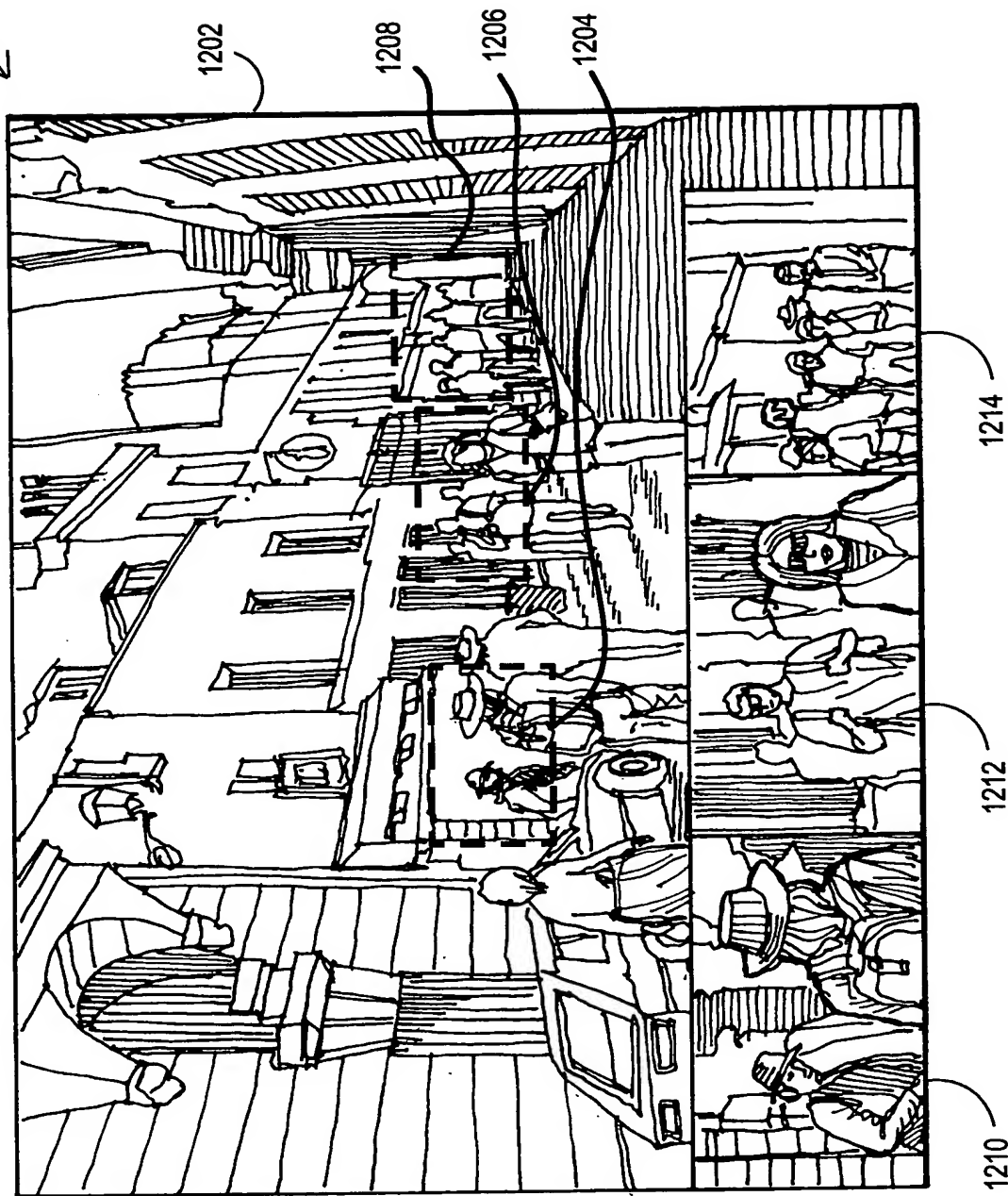


FIG. 12

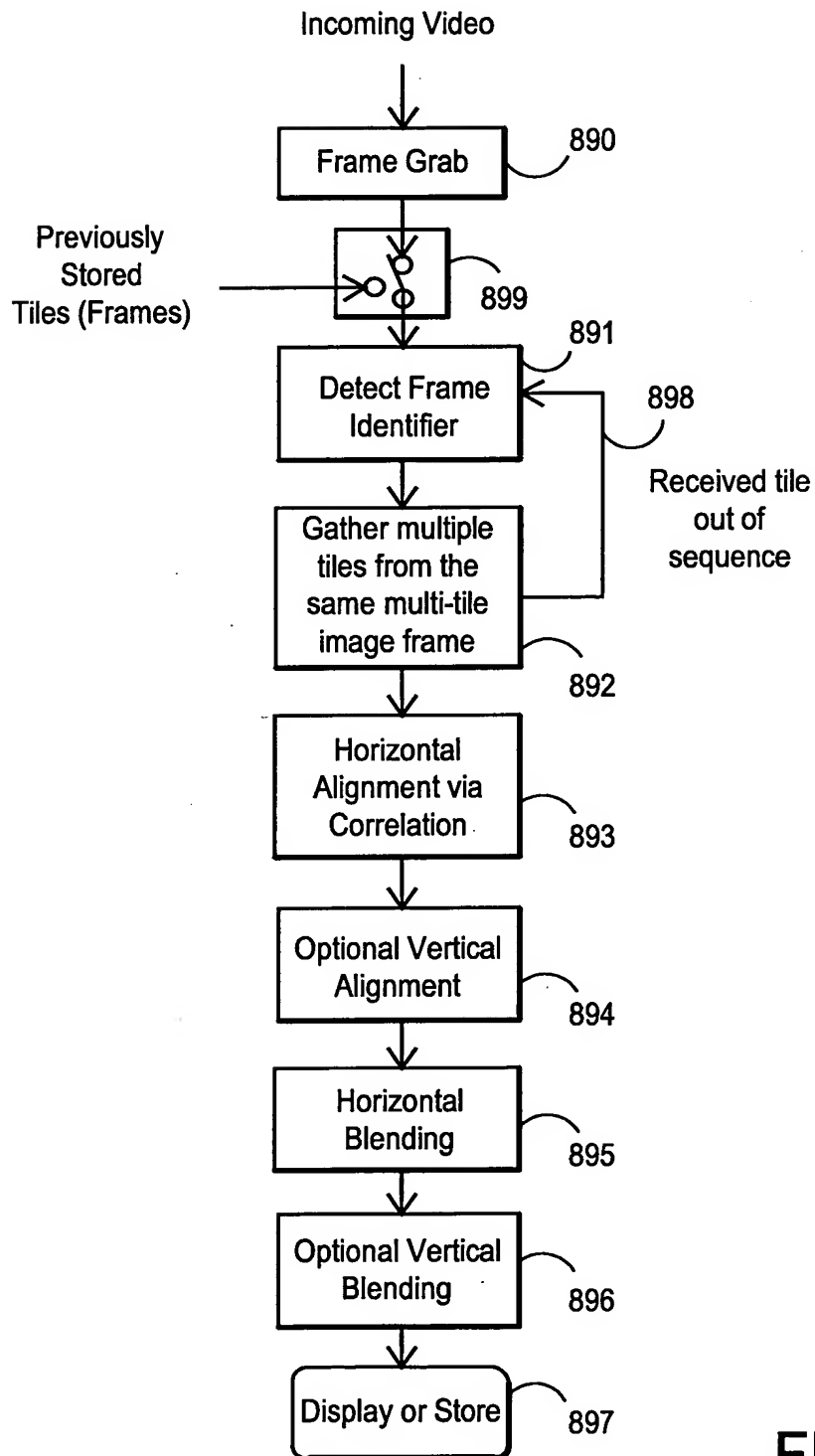


FIG. 13

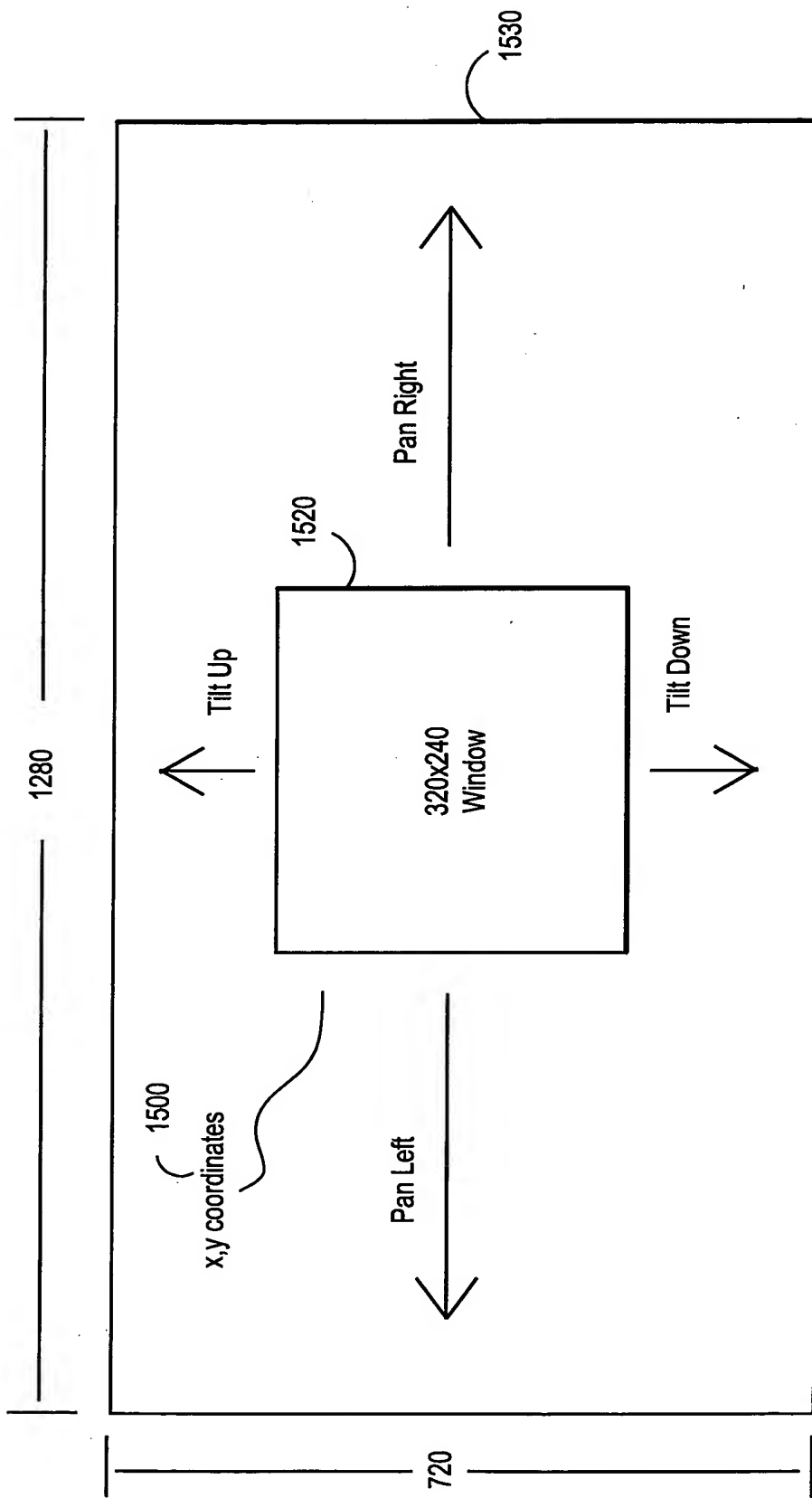


FIG. 14